

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the above-identified application:

Listing of Claims

Claim 1 (Currently Amended): A camera control system for controlling an image pickup direction of a camera connected to said camera control system through a network, said camera control system comprising:

a map display control device adapted to display a map;

a first camera index indicative of a position of the camera in a state of being superimposed on the map and a second camera index on the map, indicative of a state of a current tilting direction of the camera in relation to the first camera index by changing the shape of said second camera index up and down along a vertical direction of a screen without depending on a state of a current panning direction of the camera; and

a tilting direction display control device adapted to display information on the current tilting direction of a camera which corresponds to a designated second camera index and information on the controllable range in the tilting direction of the camera in response to designating the second camera index, by using a scroll bar; and

a communicating device adapted to receive an image picked up by the camera; ;

wherein said tilting direction display control device display the information of the current tilting direction of the camera and information on the controllable range in association with the change of shape of the second camera index.

Claim 2 (Previously presented): A camera control system according to claim 1, wherein said communicating device outputs a command for, in response to designating the

second camera index, enabling the tilting direction of a camera which corresponds to the designated second camera index, to be controlled.

Claim 3 (Previously presented): A camera control system according to claim 1, wherein said second camera index is displayed in response to designating the first camera index.

Claim 4 (Previously presented): A camera control system according to claim 1, wherein the second camera index is an icon, and indicates the state of the tilting direction of a camera which corresponds to said icon.

Claims 5-7 (Canceled).

Claim 8 (Currently Amended): A camera control system according to claim 7 1, wherein said communicating device outputs a command for enabling the tilting direction of the camera to be controlled in response to designating and moving the index on the scroll bar.

Claim 9 (Previously presented): A camera control system according to claim 8, wherein the second camera index indicates the tilting direction of the camera in association with movement of the index on the scroll bar.

Claim 10 (Canceled).

Claim 11 (Currently Amended): A control method for a camera control system for controlling an image pickup direction of a camera connected to said camera control system through a network, said control method comprising:

a map display step for displaying a map;

a first camera index display step of displaying a first camera index indicative of a position of the camera in a state of being superimposed on the map; and

a second camera index display step of displaying a second camera index on the map indicative of a state of a current tilting direction of the camera in relation to the first camera index by changing the shape of said second camera index up and down along a vertical direction of a screen without depending on a state of a current panning direction of the camera;

a displaying information display step of displaying information on the current tilting direction of a camera which corresponds to a designated second camera index and information on the controllable range in the tilting direction of the camera in response to designating the second camera index, by using a scroll bar; and

wherein said displaying information display step displays the information of the current tilting direction of the camera and information on the controllable range in association with the change of shape of the second camera index.

Claim 12 (Original): A control method according to claim 11, further comprising a control step of, in response to designating the second camera index displayed by said second camera index display step, enabling the tilting direction of a camera which corresponds to the designated second camera index, to be controlled.

Claim 13 (Original): A control method according to claim 11, wherein said second camera index display step is arranged to display the second camera index in response to designating the first camera index.

Claim 14 (Original): A control method according to claim 11, wherein the second camera index displayed by said second camera index display step is an icon, and indicates the state of the tilting direction of a camera which corresponds to said icon.

Claims 15-17 (Canceled).

Claim 18 (Currently Amended): A control method according to claim 11, wherein said control step is arranged to enable the tilting direction of the camera to be controlled in response to designating and moving the index displayed by said tilting direction display step.

Claim 19 (Original): A control method according to claim 18, wherein the second camera index displayed by said second camera index display step indicates the tilting direction of the camera in association with movement of the index displayed by said tilting direction display step.

Claim 20 (Canceled).

Claim 21 (Currently Amended): A storage medium which stores therein a program for operating functions of a camera control system for controlling an image pickup direction of a camera connected to said camera control system through a network, said program comprising processes of:

displaying a map;

displaying a first camera index indicative of a position of the camera in a state of being superimposed on the map; and

displaying a second camera index, on the map, indicative of a state of a current tilting direction of the camera in relation to the first camera index by changing the shape of said second camera index ~~up and down along a vertical direction of a screen~~ without depending on a state of a current panning direction of the camera;

displaying information on the current tilting direction of a camera which corresponds to a designated second camera index and information on the controllable range in the tilting direction of the camera in response to designating the second camera index, by using a scroll bar; and

wherein said displaying step displays the information of the current tilting direction of the camera and information on the controllable range in association with the change of shape of the second camera index.

Claim 22 (Original): A storage medium according to claim 21, wherein said program further comprises a process of, in response to designating the second camera index displayed, enabling the tilting direction of a camera which corresponds to the designated second camera index, to be controlled.

Claim 23 (Original): A storage medium according to claim 21, wherein said program further comprises a process of displaying the second camera index in response to designating the first camera index.

Claim 24 (Original): A storage medium according to claim 21, wherein said program further comprises a process of causing the displayed second camera index to indicate the tilting direction of a camera which corresponds to the second camera index.

Claims 25-27 (Canceled)

Claim 28 (Currently Amended): A storage medium according to claim ~~27~~ 21, wherein said program further comprises a process of enabling the tilting direction of the camera to be controlled in response to designating and moving the index displayed on the scroll bar.

Claim 29 (Original): A storage medium according to claim 28, wherein said program further comprises a process of causing the second camera index displayed to indicate the tilting direction of the camera in association with movement of the index displayed on the scroll bar.

Claim 30 (Canceled).

Claim 31 (New) A camera control system for controlling an image pickup direction of a camera connected to said camera control system through communication medium, said camera control method comprising:

a camera index display control device adapted to display a camera index indicative of a state of a current tilting direction of the camera by changing the shape of said camera index;

a tilting direction display control device adapted to display information on the current tilting direction of a camera which corresponds to a designated camera index and information on the controllable range in the tilting direction of the camera in association with the change of the shape of the designated camera index, by using a scroll bar.

Claim 32 (New) A camera control system according to claim 31, further comprising, a map display control device adapted to display a map and an icon indicative of the position of a camera on the map;

wherein said camera index display control device display the camera index, in accordance with designating the icon on the map.

Claim 33 (New) A camera control system according to claim 31, wherein said tilting direction display control device display a numerical value of tilting direction, in accordance with the position of the scroll bar.

Claim 34 (New) A camera control system according to claim 31, wherein the change of the shape of the designated camera index is implemented in accordance with the dragging a pointer on the camera index.

Claim 35 (New) A camera control system according to claim 31, wherein said camera index display control device displays the camera index in association with the change of the position of the scroll bar.

Claim 36 (New) A control method for a camera control system for controlling an image pickup direction of a camera connected to said camera control system through communication medium, said camera control system comprising:

a camera index display step of displaying a camera index indicative of a state of a current tilting direction of the camera by changing the shape of said camera index;

a displaying information display step of displaying information on the current tilting direction of a camera which corresponds to a designated camera index and information on the controllable range in the tilting direction of the camera in association with the change of the shape of the designated camera index, by using a scroll bar.

Claim 37 (New) A control method according to claim 36, further comprising, a control step of displaying a map and an icon indicative of the position of a camera on the map;

wherein said control step displays the camera index, in accordance with designating the icon on the map.

Claim 38 (New) A control method according to claim 36, wherein said displaying information displaying step displays a numerical value of tilting direction, in accordance with the position of the scroll bar.

Claim 39 (New) A control method according to claim 36, wherein the change of the shape of the designated camera index is implemented in accordance with the dragging a pointer on the camera index.

Claim 40 (New) A camera control system according to claim 36, wherein said camera index display step displays the camera index in association with the change of the position of the scroll bar.

Claim 41 (New) A storage medium which stores therein a program for operating functions of a control method for a camera control system for controlling an image pickup direction of a camera connected to said camera control system through communication medium, said program comprising processes of :

displaying a camera index indicative of a state of a current tilting direction of the camera by changing the shape of said camera index;

displaying information on the current tilting direction of a camera which corresponds to a designated camera index and information on the controllable range in the tilting direction of the camera in association with the change of the shape of the designated camera index, by using a scroll bar.

Claim 42 (New) A control method according to claim 41, further comprising, displaying a map and an icon indicative of the position of a camera on the map;

wherein said the camera index is displayed, in accordance with designating the icon on the map.

Claim 43 (New) A control method according to claim 41, wherein said displaying information displays a numerical value of tilting direction, in accordance with the position of the scroll bar.

Claim 44 (New) A control method according to claim 41, wherein the change of the shape of the designated camera index is implemented in accordance with the dragging a pointer on the camera index.

Claim 45 (New) A camera control system according to claim 41, wherein said camera index display step displays the camera index in association with the change of the position of the scroll bar.